

800

10834950.v DGRTELCRTTSVTGPA SVVRMCOYNTISPLPPSSCRVVEVCTRWDVSNNKIVVKVVITGGRD PGRGEIPLVKLPSHCACIIQPIHAYSWKSTV
 12084905.v REQRAAELERKCSCPTE SAVRPGAGVTRREEAEG HKSIIKLIHAYWKKNVV
 9629884.v DDAAGPAGGVTRREEAEG PGEVIEDLNGHS
 40787936.v -GPAGGSVREEAED AARALNPRTRRDTGSCRE VRECATGPAPOAHEV
 9626806.v DCLPLPSKEKARE RAEVATGSCRE
 9629798.v DGLMPKPEKAKE AARALNFCIDRRDTGSCRE
 9629333.v LRAISRSGCKPPSTLAK VAASFCFKVTKLILTGSCRE
 9629444.v ARAISRSGCKPPSTMAK LVIGLGFPAHGCGLNGSEC
 30984490.v ARAIRRGCKPPSEVAG CVDTSSSHPSN-YHHRVIVVKAGWYAS
 13242460.v TLAVCATARAG LVIGLGFPAHGCGLNGSEC
 9625940.v SVALCAEARVG IEKAFCFSVLETFITGCAECFTBACIENK-TREN
 15241092.p VLLAPLOLGLDTLIGR INKAGCFSVLETFITGCAECFTBACIENK-TREN
 18409136.p FFLVLAFLSER-LERP RLRKSPDFTEKLGCFSCFVYAVGILLKNSTLVDV
 Sgk071.h NQALMTHEAKVNVAEKGVALGSSTLILPT TFRKDDFEVVKKRLGCFSCFVYAVGILLKNSTLVDV
 34853355.m APPSADSSSAKQLRD DPFKRSWMAPELTSFSQSKDSINSLC
 38638261.v APPSADSSSAKQLRD DPCOKSWMAPTELFNSFSIKSDINSLC
 2phk_PHK DEFLPKYVIGLTCRHLKPTCKEYAVKIDV
 113r_PKA KAKEDFLKKWETPSQN TAQLDDFDRIKLGGSF
 2erk_Erk2 HHMAAAAGAPEMVRG QVFDFGPRYVTLNSVYGEACM
 1jwh_CKII HPRFVYNDYSHVVEWQ NODDYVPRKGRKYS
 23619326.z EDMQEYIMKKKKNEKNEKNEKKKKKIMMRNFNKSIISGTKPIINTPYYEPLKNNYQMINFTKRLFLSNPKI
 19173023.y KRVDKCLQHKSRYDQNK EFAAIKTHFLV
 32189730.z DTGISAQSOPHSSGDG-GDD- GVAARDSEASMDV
 lias_TGFbR MTTSGSGSGLPLLVQR TIARTIVIQESIGKGRCPV

810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990

1000

10834950.v CMVIRKIKCDFITYWDRK-ES-PLPKDIV IIPRLLREAVYLHKGK VIHRDVTRTENIFIDYDGN
 12084905.v CMAARVRE-YDLTYTDVGC-GMPLQONIY IIPRLLREAVYLHKGK VIHRDVTRTENIFIDYDGN
 9629884.v CVVILAR-E-EDPHTHWRINRLALPATA VIIPRLLREAVYLHKGK VIHRDVTRTENIFIDYDGN
 40787936.v CVVILAR-E-EDPHTHWRINRLALPATA VIIPRLLREAVYLHKGK VIHRDVTRTENIFIDYDGN
 9626806.v CMVIPHNS-SDLTYTPIKESRPIPIDQALI IDPKOILEECFRLYHAGR VIHRDVTRTENIFIDYDGN
 9629798.v CMVIPHNS-SDLTYTPIKESRPIPIDQALI IDPKOILEECFRLYHAGR VIHRDVTRTENIFIDYDGN
 9629333.v CLVLPKQH CDLYTYSKRPSPFLGHLQITA VIIPRLLSAIDYVHCKG VIHRDVTRTENIFIDYDGN
 9629444.v CLVLPKQO ADLYTYSKRPSPFLGHLQIAA VIIPRLLSAIDYVHCKG VIHRDVTRTENIFIDYDGN
 30984490.v CLVVPKQH SDLYTLYGARVRLDTAQVTA LAIPRLLGAIDYVHCKG VIHRDVTRTENIFIDYDGN
 13242460.v CLVLPKAK TDLVCMISDR-REPAICDMIS IDPSVILRATQYLNHNR VIHRDVVAELENIFINHGD
 9625940.v CLIPPRK IDLYCIAAK-RNPICDIA IIPRLLVRAIDYLNHNS VIHRDVVAELENIFINHGD
 15241092.p KWLWPRRREGDRDADYKDRSFPSNLRESIMFGRVL- QGVESVKRALLIXQIDROITLSRKHLHGTVG
 18409136.p YWLLWKLEGESTTAGLIMQSKEFYFYVETIILGKVQ- DLPLPKLERENKIIOTIROLLFADIDLHSTG
 Sgk071.h ITPLRGSFKSSC-SLTDHQRQMVSAPITDMLLEGNV- ASIILGQDAGDTKGERAKLDSMALSCLVPLV
 34853355.m VTVMNSYMTSCVALNQRCVVEIFITDVLLEGENM- AGNLGD-EDTCYSLLEHQLLSRNFYIILSVSDVMQNF
 38638261.v YMTRKD YDLYSFMYDGDLLKDRPDRPLWQTR- AIDRCOLLCAEVYHDKL LMHRDIDKLMVPLDNGT
 2phk_PHK FLVFDLMMKKGELLDVLTKEVTLSEKETRKI IIPRLLVRAIDYLNHNS VIHRDVVAELENIFINHGD
 113r_PKA YVMMEVAGGEMPSHLERRIGRXPETHAFRYF AAQIVLTFBYLHSID LIYRDLKPENLIDQGY
 2erk_Erk2 DYYVHQDLMETDLYKUPLKTQHLSNDIYCFLV- YOILRQKIHYIHSAN VLHRDLKPENLIDQGY
 1jwh_CKII TPAAVFEBHVNTTDEKOLYQQLTDYDIFRFYMY- EILKADPCHMSG
 23619326.z YFWL- YLCEEETTIWIMFEMEDHKVSDVVKGNENKR- QNIG- MLVLDKLIDQIILNGHYIAHKKG
 19173023.y LKCEEEETTIWIMFEMEDHKVSDVVKGNENKR- EILKADPCHMSG
 32189730.z RGAGAGSGWDVSDOGGASTTETNNGTVMSATPAPLSTTE MECDLTVGGANGADCRPPATASAPAPAA
 lias_TGFbR QIWLIVSDMEHGSLEDFYDNRYTVIVEGMIRKALSTAGG TIATPAPLSTTE MECDLTVGGANGADCRPPATASAPAPAA

1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190

1200

10834950.v AVLDFGFCACKLDM-HDNSPKCYGWAKMTNSPPELLADPYC AKIDTWSAQLVLFENSAKKRLIF QPRAALTRCLQIHALESPQESTTE
 12084905.v AVLDFGFCACKLDM-HDNSPKCYGWAKMTNSPPELLADPYC CKIDTPQCYGWLSTVTPNSPELLADPYC
 9629884.v VCLDFGFCACOLGD-CXIDTPQCYGWLSTVTPNSPELLADPYC
 40787936.v VCLDFGFCAAHGP-VTEPRYVGACTLETNSPPELLADPYC CRIDTPQCYGWLSTVTPNSPELLADPYC
 9626806.v VCLDFGCAQFP-ITEPRYVGACTLETNSPPELLADPYC CRIDTPQCYGWLSTVTPNSPELLADPYC
 9629798.v VCLDFGCAQFP-VVEPADGLACTVETNAPEVLAARKN SKADIAVSCAIVLFENIAPYPLAFS
 9629333.v VCLDFGCAQFP-VVDPMDLGACTVETNAPEVLAARKN SKADIAVSCAIVLFENIAPYPLAFS
 9629444.v VCLDFGCAQFP-GRSSFPFHYGIACTIDTNAPEVLAQDFPT QVIDIDSAVLFENIAPYPLAFS
 30984490.v VCLDFGCAQCFVARG-GRSSFPFHYGIACTIDTNAPEVLAQDFPT TTVDFLQALVIFETAVFNAISLAF
 13242460.v VCLDFGCAQCFVARG-PSVDIISAVLFEPAAVEITASLAF
 9625940.v VCLDFGCAQCFVARG-PSVDIISAVLFEPAAVEITASLAF
 15241092.p VCLDFGCAQCFVARG-PSVDIISAVLFEPAAVEITASLAF
 18409136.p VCLDFGCAQCFVARG-PSVDIISAVLFEPAAVEITASLAF
 Sgk071.h PWPP-ELVEVVVTTMEHNDRVLDVQIC ACSSLNLHLLGQIIVNPNPEKVFDDLS
 34853355.m QSHNSEGVLVITYVLSIISQGQISEELEKRLFELAQK LERFQEDRDIICLG
 38638261.v ILLSLWSSLVVDVUNKEPELENLSVSVT WVLAFHQEDMEVTEAGCAVNLILS
 2phk_PHK ILLSLWSSLVVDVUNKEPELENLSVSVT
 113r_PKA ILLSLWSSLVVDVUNKEPELENLSVSVT
 2erk_Erk2 ILLSLWSSLVVDVUNKEPELENLSVSVT
 1jwh_CKII ILLSLWSSLVVDVUNKEPELENLSVSVT
 23619326.z ILLSLWSSLVVDVUNKEPELENLSVSVT
 19173023.y ILLSLWSSLVVDVUNKEPELENLSVSVT
 32189730.z ILLSLWSSLVVDVUNKEPELENLSVSVT
 lias_TGFbR ILLSLWSSLVVDVUNKEPELENLSVSVT

